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Abstract

The invention relates to an expandable tubular joint comprising: (i) a male tubular element (EM) which is equipped with a male thread (FM), a first annular lip (LI) having a first axially abutting surface (SB1), a first inner surface (SI1) and a first outer surface (SE1), and a second abutting surface (SB2); and (ii) a female tubular element (EF) which is equipped with a female thread (FF), a second annular lip (L2) having a third abutting surface (SB3), a second outer surface (SE2) and a second inner surface (SI2), and a third inner surface (SI3) and a fourth axially abutting surface (SB4) which, together with the second outer surface (SE2), defines a first annular housing (LO) homologous to the first lip (L1). According to the invention, the male tubular element (EM) initially comprises a local annular added thickness (SA1) at a fourth inner surface (SI4) which projects out from the second abutting surface (SB2). The third inner surface (SI3) of the female tubular element (EF) comprises an annular groove (G1) which, after screwing, is placed at the first outer surface (SE1) and the annular added thickness (SA1). The male and female elements are shaped such that, after screwing, the first lip (L1) is housed in the annular housing (LO) and the second and third abutting surfaces rest against one another, in order to enable the formation of an annular shoulder (EP) at the first outer surface (SE1) during diametral expansion in the plastic deformation region, said shoulder having the shape of part of the groove (G1) and being in hermetic clamping contact therewith.